

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **05064865 A**

(43) Date of publication of application: 19 . 03 . 93

(51) Int. Cl

B32B 27/32
B32B 7/00
B32B 27/36
B32B 31/18
G02B 5/30

(21) Application number: 03230614

(22) Date of filing: 10 . 09 . 91

(71) Applicant: **TORAY IND INC**

(72) Inventor: **TSUNASHIMA KENJI**
HIRAOKA TOSHIHIKO
KUROME TAIICHI

(54) **NON-CRYSTALLINE POLYOLEFIN LAMINATED SHEET FOR PHASE DIFFERENCE PLATE AND THE SAME PLATE**

(57) Abstract:

PURPOSE: To eliminate the foreign matter such as thermally decomposed matter, carbide or waste refuse in a film by laminating a specific crystalline polymer film to the surface of a non-crystalline polyolefin layer compounded with a specific compound as a cover film.

CONSTITUTION: A specific crystalline polymer layer is

laminated to at least the single surface of a specific non-crystalline polyolefin sheet with a glass transition temp. Tg of 100°C or higher. The crystalline polymer layer is peeled off to form a phase difference plate composed of the non-crystalline polyolefin sheet. By this constitution, white and black display becomes possible and a liquid crystal display device of good display quality free of uneven coloring such as rainbow color is obtained.

COPYRIGHT: (C)1993,JPO&Japio

BEST AVAILABLE COPY